PH LRM derivation

Derive models for CH10 and HY28 (combined biomass/survival endpoints)

Screening (1X, 2X, 2G)
Tox level (1,2,3)
Normalizations (DW, OC, Fines, CF)
OC: `CONC/ (toc/100)`

Fines: `CONC *(pctfines/100)`

CF (OC_Fines): `(CONC*(pctfines/100))/(toc/100)`

Select best performing models for CH10 and HY28

All models calibrated to tox level 2
Select model sets separately for CH10 and HY28 and calibrate for species
Optimize for hit reliability, number of samples correctly classified as hits

Combine selected models, apply/calibrate to combined CH10/HY28

Combine selected models for each species and select best performing model calibrated to all endpoints using highest tox level from any of 4 endpoints